

What is claimed is:

SUB A17

1. A method for exchanging information between providers and users of chemical compound products, said method comprising the steps of:
 - providing a chemical compound data information server system, said server system being computer based and having data processing and storage capabilities and electronic communication connections that permit users to electronically connect their computer with said server system to exchange chemical compound information therebetween;
 - permitting limited read/write/delete computer access to said server system to approved suppliers having chemical compounds available for sale, and allowing said suppliers to upload to and remove from said server system chemical compound lot specification data and quantity data and corresponding chemical analysis data for each chemical compound lot;
 - permitting read only computer access to said server system to approved users desiring data on available chemical compound lots;
 - receiving chemical compound specification requirements from said users; and
 - providing an electronic listing to said user's computer including said chemical compound lot specification data for chemical compound lots that satisfy said chemical compound requirements specification of said users.

2. The method of claim 1 wherein said suppliers and said users access said server system using modem based telephone dial-up computer communication connections.

3. The method of claim 1 wherein said suppliers and said users access said server system via Internet service providers.

4. The method of claim 3 including the following steps:

receiving electronic COA document image data from said suppliers and associating said COA document image data with a particular chemical compound lot specification received from said suppliers; and

electronically displaying said COA document image data in conjunction with said providing step, and wherein said COA document image data is in printable form.

5. The method of claim 4 including the following steps:

receiving critical contaminants data from said users identifying those contaminants of particular interest in said chemical compound requirements; and

wherein said providing an electronic listing step includes sorting said listing of chemical compound lots in accordance with said critical contaminants data.

6. The method of claim 5 including the step of:

 sending electronic messages to said users concerning receipt of additional chemical compound lot specification data that meets said chemical compound requirements of said users.

7. The method of claim 6 wherein said electronic messages are email messages.

8. The method of claim 1 wherein said chemical compound lot specification data includes component chemical compound specification data for all chemical compounds used to produce said chemical compound lot, and wherein said providing an electronic listing step identifies those chemical compound lots that were produced using chemical compounds that fail to meet said chemical compound requirements of said users.

9. The method of claim 1 including the following steps:

 providing chemical compound toxicity data listings to said user's computer for said chemical compound lots that satisfy said chemical compound requirements specification.

10. The method of claim 1 including the following steps:

providing material safety data sheet information for said chemical compound lots that satisfy said chemical compound requirements specification.

11. The method of claim 1 including the following steps:
 - receiving approved supplier lists from said users; and
 - providing an electronic list of said chemical compound lots to said users that satisfy said chemical compound requirements specification of said users and that are available from suppliers found in said approved supplier list.
12. The method of claim 1 including the following steps:
 - receiving chemical compound lot sale data from said suppliers including the name of the purchaser thereof for a particular chemical compound lot;
 - receiving a chemical compound history tracking request from one of said users; and
 - generating a chemical compound lot tracking history for said particular chemical compound lot detailing the history of said chemical compound lot including the source thereof, and all of said suppliers and said users known to have purchased or processed said particular chemical compound lot.

13. The method of claim 1 including the following steps:

receiving chemical compound lot use and source data from said users;

receiving a chemical compound history tracking request from one of said users;

generating a chemical compound lot tracking history for said particular chemical compound lot detailing the history of said chemical compound lot including the source thereof, and all of said suppliers and said users known to have purchased or processed said particular chemical compound lot.

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